

[illegible]

Abstract of Disclosure

An enhanced volume phase diffraction grating provides high dispersion, uniformly high diffraction efficiency and equal diffraction efficiencies for all polarizations across a wide range of wavelengths. The thickness of the volume phase material and the modulation of its refractive index are jointly established to provide equalization of diffraction efficiencies for all polarizations over a wide range of wavelengths. The equalization occurs where the S and P diffraction efficiencies are both at a maximum.

Figures

Figure 1: A diagram illustrating the structure of a document. It shows a vertical sequence of elements: a header, a title, a subtitle, a list of figures, and a list of tables. The elements are connected by lines, indicating a hierarchical or sequential relationship.